IN THE CLAIMS

Please add the new claims 23 – 44 as follows:

23(New). In a wireless communication system, a method comprising:
transmitting a data frame;
transmitting a push-to-talk frame subsequent to the data frame; and
transmitting a second data frame subsequent to the push-to-talk data frame.

24(New). The method as in claim 23, wherein the push-to-talk frame initiates a push-to-talk communication.

25(New). The method as in claim 24, wherein the second data frame is directed to a private network.

26(New). The method as in claim 23, further comprising:
identifying the second data frame as a push-to-talk frame for communication in the private network.

27(New). The method as in claim 23, wherein the second data frame is part of an encrypted message, the method further comprising:
identifying a packet boundary of the encrypted message.

28(New). A program embodied on a computer-readable medium containing computer-executable instructions to transmit a data signal structure embodied on a carrier wave, comprising:
a first set of instructions for generating a first data packet;
a second set of instructions for generating a push-to-talk packet; and
a third set of instructions for generating a second data packet.

29(New). A mobile station capable of voice communications through a wireless communication network, comprising:

a switch operative to generate push-to-talk signals;

a processor coupled to the switch, operative to generate a push-to-talk data packet based on at least one of said push-to-talk signals; and

a transmitter coupled to the processor operative to send the push-to-talk data packet to the wireless communication network.

30(New). The mobile station as in claim 29, further comprising:

a second switch coupled to the transmitter, the second switch operative to select between normal operation and push-to-talk operation.

31(New). The mobile station as in claim 29, wherein the processor is further operative to generate push-to-talk requests.

32(New). The mobile station as in claim 31, wherein the mobile station is associated with a user that is a member of a push-to-talk private network and the private network is identified by an access number; and

wherein the processor is further operative to generate authentication information for confirming membership in a private network.

33(New). The mobile station as in claim 29, further comprising:

encryption means for encrypting data packets for transmission to the private network via the wireless communication network.

34(New). The mobile station as in claim 29, wherein the mobile station is operative to generate push-to-talk data packets interleaved with data packets.

35(New). The mobile station as in claim 34, further comprising:

vocoder means for converting voice data into compressed voice data packets for transmission from the mobile station.

36(New). A method for private network communications, comprising:

sending a push-to-talk request for initiating a push-to-talk communication in a private network, wherein the private network is accessed via a public switching telephone network; and

transmitting a push-to-talk data packet to at least one other user in the private network.

37(New). The method as in claim 36, further comprising:

receiving a request for membership confirmation; and

confirming membership in the private network.

38(New). A mobile station for communicating through a wireless communication network, comprising:

first means for transmitting signals in a normal operation to the public switching telephone network; and

second means for transmitting signals in a private network operation, wherein the second means generates push-to-talk type data packets.

39(New). A mobile station operative for communicating through a wireless communication network, comprising:

switching means for switching between a normal operating mode and a point-to-mulitpoint private network operating mode; and

second means for generating point-to-multipoint private network request signals.

40(New). In a wireless communication system, a network call manager, comprising:

a network controller operative to process and route data packets transmitted within the wireless communication system; and

a push-to-talk controller operative to process and route push-to-talk requests and private network data packets.

41(New). The network call manager as in claim 40, wherein the push-to-talk controller stores at least one access number associated with a first private network.

42(New). The network call manager as in claim 40, wherein the push-to-talk controller stores at least one access number associated with a second private network.

43(New). The network manager as in claim 40, wherein the push-to-talk controller is operative to receive more than one push-to-talk communications , wherein push-to-talk communications are processed according to an associated priority of each push-to-talk communication.

44(New). A wireless communication system, comprising:

a network call manager for facilitating private communications simultaneously among a plurality of mobile users, at least some of said plurality of mobile users being members of a private network, the network call manager comprising:

means for receiving a point-to-point transmission comprising a plurality of voice data packets and a point-to-multipoint transmission comprising a plurality of private network data packets;

means for directing point-to-point transmissions;

means for receiving a request for a point-to-multipoint transmission to the private network;

means for directing the point-to-multipoint data packets to the private network in response to the request; and

a private network of mobile stations operative to transmit point-to-point transmissions and point-to-multipoint transmissions.